

Title (en)

Mixer for preparing a dental material, and system comprising the same

Title (de)

Mischvorrichtung zum Herstellen eines Dentalmaterials, sowie System enthaltend einen solchen

Title (fr)

Mélangeur pour préparer un matériau dentaire, et système l'incorporant

Publication

EP 2399666 B1 20130220 (EN)

Application

EP 10166766 A 20100622

Priority

EP 10166766 A 20100622

Abstract (en)

[origin: EP2399666A1] A mixer (10) for preparing a dental material comprises a mixing barrel (17) and a mixing rotor (18), a mixer inlet (13,14), and an outlet (15). The mixing rotor is rotatable about a rotation axis (A), and comprises four mixing paddle levels (21,22,23,24) each comprising at least one mixing paddle. The mixing paddle levels are axially disposed over a portion of the mixing rotor with the paddle levels being axially spaced at a generally uniform paddle spacing. The mixing paddles further have a thickness in the dimension parallel to the rotation axis, and the ratio between the paddle spacing and the paddle thickness is at least 2:1, thereby maximizing the mixing efficiency, and minimizing energy consumption.

IPC 8 full level

B01F 7/00 (2006.01); **A61C 9/00** (2006.01)

CPC (source: EP US)

A61C 9/0026 (2013.01 - EP US); **B01F 27/0722** (2022.01 - EP US); **B01F 27/0724** (2022.01 - EP US); **B01F 27/092** (2022.01 - EP US); **B01F 27/1121** (2022.01 - EP US); **B01F 27/191** (2022.01 - EP US); **B01F 2101/2305** (2022.01 - EP US); **B01F 2215/0431** (2013.01 - EP US)

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